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NEWS 3 JAN 17 Pre-1988 INPI data added to MARPAT
NEWS 4 FEB 21 STN AnaVist, Version 1.1, lets you share your STN AnaVist visualization results
NEWS 5 FEB 22 The IPC thesaurus added to additional patent databases on STN
NEWS 6 FEB 22 Updates in EPFULL; IPC 8 enhancements added
NEWS 7 FEB 27 New STN AnaVist pricing effective March 1, 2006
NEWS 8 MAR 03 Updates in PATDPA; addition of IPC 8 data without attributes
NEWS 9 MAR 22 EMBASE is now updated on a daily basis
NEWS 10 APR 03 New IPC 8 fields and IPC thesaurus added to PATDPAFULL
NEWS 11 APR 03 Bibliographic data updates resume; new IPC 8 fields and IPC thesaurus added in PCTFULL
NEWS 12 APR 04 STN AnaVist \$500 visualization usage credit offered
NEWS 13 APR 12 LINSPEC, learning database for INSPEC, reloaded and enhanced
NEWS 14 APR 12 Improved structure highlighting in FQHIT and QHIT display in MARPAT
NEWS 15 APR 12 Derwent World Patents Index to be reloaded and enhanced during second quarter; strategies may be affected
NEWS 16 MAY 10 CA/CAplus enhanced with 1900-1906 U.S. patent records
NEWS 17 MAY 11 KOREPAT updates resume
NEWS 18 MAY 19 Derwent World Patents Index to be reloaded and enhanced
NEWS 19 MAY 30 IPC 8 Rolled-up Core codes added to CA/CAplus and USPATFULL/USPAT2
NEWS 20 MAY 30 The F-Term thesaurus is now available in CA/CAplus

NEWS EXPRESS JUNE 16 CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 23 MAY 2006.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
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FILE 'HOME' ENTERED AT 17:13:26 ON 30 MAY 2006

=> file medline, biosis, wpids, hcaplus, uspatful, dgene, embase
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 0.21 0.21

FILE 'MEDLINE' ENTERED AT 17:13:54 ON 30 MAY 2006

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=> e sivaraman/au

E1	2	SIVARAMALINGAM M/AU
E2	2	SIVARAMAMURTY V/AU
E3	6	--> SIVARAMAN/AU
E4	91	SIVARAMAN A/AU
E5	17	SIVARAMAN ALWARAPPA/AU
E6	1	SIVARAMAN AMINI/AU
E7	3	SIVARAMAN AMMU/AU
E8	11	SIVARAMAN ANAND/AU
E9	5	SIVARAMAN B/AU
E10	1	SIVARAMAN BALASUBRAMANIAM/AU
E11	45	SIVARAMAN C/AU
E12	42	SIVARAMAN C A/AU

=> s plasmid and (pET-26b(+_))
MISSING OPERATOR 'PET-26B(+'

The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> s plasmid and (bamHI)
L1 32889 PLASMID AND (BAMHI)

=> s l1 and (pET-26b(+))
MISSING OPERATOR 'PET-26B(+'

The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> s l1 and (pET-26b)
L2 29 L1 AND (PET-26B)

=> d his

(FILE 'HOME' ENTERED AT 17:13:26 ON 30 MAY 2006)

FILE 'MEDLINE, BIOSIS, WPIDS, HCAPLUS, USPATFULL, DGENE, EMBASE' ENTERED
AT 17:13:54 ON 30 MAY 2006

E SIVARAMAN/AU
L1 32889 S PLASMID AND (BAMHI)
L2 29 S L1 AND (PET-26B)

=> s l2 and (pBR322)
L3 16 L2 AND (PBR322)

=> s l3 and (Nde I 288)
L4 0 L3 AND (NDE I 288)

=> d l3 ti abs ibib tot

L3 ANSWER 1 OF 16 USPATFULL on STN
TI Modification of sugar metabolic processes in transgenic cells, tissues and animals
AB The present invention provides natural or transgenic galactose deficient cells, tissues, organs and animals that have been genetically modified to compensate for the abnormalities in galactose metabolic pathways. The present invention modifies sugar metabolic pathways to prevent the deleterious accumulation of sugar metabolites in animals, tissues, organs, cells and cell lines that possess natural or transgenic abnormalities in the sugar metabolic pathways. Such cells, tissues, organs and animals can be used in research and medical therapy, including xenotransplantation.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2006:62328 USPATFULL
TITLE: Modification of sugar metabolic processes in transgenic cells, tissues and animals
INVENTOR(S): Koike, Chihiro, Pittsburgh, PA, UNITED STATES
PATENT ASSIGNEE(S): Univ. of Pittsburgh of the Commonwealth System of Higher Education, Office of Technology Management, Pittsburgh, PA, UNITED STATES (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2006053500	A1	20060309
APPLICATION INFO.:	US 2005-141611	A1	20050531 (11)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2004-575539P	20040528 (60)
DOCUMENT TYPE:	Utility	

FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: KING & SPALDING LLP, 191 PEACHTREE STREET, N.E., 45TH FLOOR, ATLANTA, GA, 30303-1763, US
NUMBER OF CLAIMS: 35
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 40 Drawing Page(s)
LINE COUNT: 7250
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 2 OF 16 USPATFULL on STN
TI Compositions and methods for use in isolation of nucleic acid molecules
AB The present invention relates generally to recombinant genetic technology. More particularly, the present invention relates to compositions and methods for use in selection and isolation of nucleic acid molecules. The invention further relates to methods for the preparation of individual nucleic acid molecules and populations of nucleic acid molecules, as well as nucleic acid molecules produced by these methods. The invention also relates to screening and/or selection methods for identifying and/or isolating nucleic acid molecules which have one or more common features (e.g., characteristics, activities, etc) and populations of nucleic acid molecules which share one or more features.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2006:40624 USPATFULL
TITLE: Compositions and methods for use in isolation of nucleic acid molecules
INVENTOR(S): Brasch, Michael A., Gaithersburg, MD, UNITED STATES
Cheo, David, Kensington, MD, UNITED STATES
Li, Xiao, Germantown, MD, UNITED STATES
Esposito, Dominic, Columbia, MD, UNITED STATES
Byrd, Devon R.N., Fredericksburg, VA, UNITED STATES
PATENT ASSIGNEE(S): Invitrogen Corporation, Carlsbad, CA, UNITED STATES (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2006035272	A1	20060216
APPLICATION INFO.:	US 2005-251821	A1	20051018 (11)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2002-151690, filed on 21 May 2002, ABANDONED Continuation-in-part of Ser. No. US 2001-907719, filed on 19 Jul 2001, PENDING Division of Ser. No. US 1998-177387, filed on 23 Oct 1998, ABANDONED Continuation-in-part of Ser. No. US 2003-640422, filed on 14 Aug 2003, PENDING Continuation-in-part of Ser. No. US 2000-732914, filed on 11 Dec 2000, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-291973P	20010521 (60)
	US 1997-65930P	19971024 (60)
	US 2002-402920P	20020814 (60)
	US 1999-169983P	19991210 (60)
	US 2000-188020P	20000309 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: STERNE, KESSLER, GOLDSTEIN & FOX PLLC, 1100 NEW YORK AVENUE, N.W., WASHINGTON, DC, 20005, US
NUMBER OF CLAIMS: 47
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 57 Drawing Page(s)
LINE COUNT: 8301

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 3 OF 16 USPATFULL on STN

TI Oxygenase enzymes and screening method

AB A method for detecting the presence of an oxygenated compound which is produced when a substrate is reacted with an oxygenase for the substrate. The method involves reacting a coupling enzyme with the oxygenated compound to form a polymeric oxygenated compound which is fluorescent or luminescent. Measurement of the fluorescence or luminescence of the polymeric oxygenated compound provides indirect detection of the oxygenated compound produced by reaction of the oxygenase with the substrate. The method is carried out in a whole cell environment wherein the cell is transformed to express both the oxygenase being screened and the coupling enzyme. The method can be used to measure the activity of monooxygenases and dioxygenases on aromatic substrates. The method is amenable to large scale screening of enzyme mutants to isolate those with maximum oxygenase activity.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2005:140351 USPATFULL

TITLE: Oxygenase enzymes and screening method

INVENTOR(S): Arnold, Frances H., Pasadena, CA, UNITED STATES

Joo, Hyun, Suwon, KOREA, REPUBLIC OF

Lin, Zhanglin, Beijing, CHINA

PATENT ASSIGNEE(S): California Institute of Technology, Pasadena, CA, UNITED STATES (U.S. corporation)

NUMBER	KIND	DATE
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PATENT INFORMATION: US 6902918 B1 20050607

APPLICATION INFO.: US 1999-246451 19990209 (9)

NUMBER	DATE
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PRIORITY INFORMATION: US 1998-94403P 19980728 (60)

US 1998-106840P 19981103 (60)

US 1998-86206P 19980521 (60)

US 1998-106834P 19981103 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: GRANTED

PRIMARY EXAMINER: Rao, Manjunath

LEGAL REPRESENTATIVE: Darby & Darby

NUMBER OF CLAIMS: 17

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 45 Drawing Figure(s); 28 Drawing Page(s)

LINE COUNT: 3214

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 4 OF 16 USPATFULL on STN

TI Recombinational cloning using nucleic acids having recombination sites

AB Recombinational cloning is provided by the use of nucleic acids, vectors and methods, in vitro and in vivo, for moving or exchanging segments of DNA molecules using engineered recombination sites and recombination proteins to provide chimeric DNA molecules that have the desired characteristic(s) and/or DNA segment(s).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2005:10957 USPATFULL

TITLE: Recombinational cloning using nucleic acids having recombination sites

INVENTOR(S): Hartley, James L., Frederick, MD, UNITED STATES

Brasch, Michael A., Gaithersburg, MD, UNITED STATES

Temple, Gary F., Washington Grove, MD, UNITED STATES

PATENT ASSIGNEE(S) : Fox, Donna K., Sykesville, MD, UNITED STATES
Invitrogen Corporation, Carlsbad, CA (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005009091	A1	20050113
APPLICATION INFO.:	US 2004-921265	A1	20040819 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2001-985448, filed on 2 Nov 2001, PENDING Continuation of Ser. No. US 1998-177387, filed on 23 Oct 1998, ABANDONED Continuation-in-part of Ser. No. US 1999-432085, filed on 2 Nov 1999, PENDING Division of Ser. No. US 1999-233493, filed on 20 Jan 1999, GRANTED, Pat. No. US 6143557 Continuation of Ser. No. US 1996-663002, filed on 7 Jun 1996, GRANTED, Pat. No. US 5888732 Continuation-in-part of Ser. No. US 1995-486139, filed on 7 Jun 1995, ABANDONED		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-65930P	19971024 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	STERNE, KESSLER, GOLDSTEIN & FOX PLLC, 1100 NEW YORK AVENUE, N.W., WASHINGTON, DC, 20005	
NUMBER OF CLAIMS:	9	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	58 Drawing Page(s)	
LINE COUNT:	3453	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L3 ANSWER 5 OF 16 USPATFULL on STN

TI Recombinational cloning using nucleic acids having recombination sites
AB Recombinational cloning is provided by the use of nucleic acids, vectors and methods, in vitro and in vivo, for moving or exchanging segments of DNA molecules using engineered recombination sites and recombination proteins to provide chimeric DNA molecules that have the desired characteristic(s) and/or DNA segment(s).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2004:320978 USPATFULL
TITLE: Recombinational cloning using nucleic acids having recombination sites
INVENTOR(S): Hartley, James L., Frederick, MD, UNITED STATES
Brasch, Michael A., Gaithersburg, MD, UNITED STATES
Temple, Gary F., Washington Grove, MD, UNITED STATES
Fox, Donna K., Sykesville, MD, UNITED STATES
PATENT ASSIGNEE(S) : Invitrogen Corporation, Carlsbad, CA, UNITED STATES
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004253631	A1	20041216
APPLICATION INFO.:	US 2004-893235	A1	20040719 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2002-300892, filed on 21 Nov 2002, PENDING Division of Ser. No. US 2001-907719, filed on 19 Jul 2001, PENDING Division of Ser. No. US 1998-177387, filed on 23 Oct 1998, ABANDONED		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-65930P	19971024 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	

LEGAL REPRESENTATIVE: STERNE, KESSLER, GOLDSTEIN & FOX PLLC, 1100 NEW YORK AVENUE, N.W., WASHINGTON, DC, 20005
NUMBER OF CLAIMS: 20
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 58 Drawing Page(s)
LINE COUNT: 3471
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 6 OF 16 USPATFULL on STN
TI Recombinational cloning using nucleic acids having recombination sites
AB Recombinational cloning is provided by the use of nucleic acids, vectors and methods, in vitro and in vivo, for moving or exchanging segments of DNA molecules using engineered recombination sites and recombination proteins to provide chimeric DNA molecules that have the desired characteristic(s) and/or DNA segment(s).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2004:221387 USPATFULL
TITLE: Recombinational cloning using nucleic acids having recombination sites
INVENTOR(S): Hartley, James L., Frederick, MD, UNITED STATES
Brasch, Michael A., Gaithersburg, MD, UNITED STATES
Temple, Gary F., Washington Grove, MD, UNITED STATES
Fox, Donna K., Sykesville, MD, UNITED STATES
PATENT ASSIGNEE(S): Invitrogen Corporation, Carlsbad, CA, UNITED STATES
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004171157	A1	20040902
APPLICATION INFO.:	US 2004-820133	A1	20040408 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1998-177387, filed on 23 Oct 1998, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-65930P	19971024 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	STERNE, KESSLER, GOLDSTEIN & FOX PLLC, 1100 NEW YORK AVENUE, N.W., WASHINGTON, DC, 20005	
NUMBER OF CLAIMS:	1	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	58 Drawing Page(s)	
LINE COUNT:	3447	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L3 ANSWER 7 OF 16 USPATFULL on STN
TI Recombinational cloning using nucleic acids having recombination sites
AB Recombinational cloning is provided by the use of nucleic acids, vectors and methods, in vitro and in vivo, for moving or exchanging segments of DNA molecules using engineered recombination sites and recombination proteins to provide chimeric DNA molecules that have the desired characteristic(s) and/or DNA segment(s).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2004:221386 USPATFULL
TITLE: Recombinational cloning using nucleic acids having recombination sites
INVENTOR(S): Hartley, James L., Frederick, MD, UNITED STATES
Brasch, Michael A., Gaithersburg, MD, UNITED STATES
Temple, Gary F., Washington Grove, MD, UNITED STATES
Fox, Donna K., Sykesville, MD, UNITED STATES

PATENT ASSIGNEE(S) : Invitrogen Corporation, Carlsbad, CA, UNITED STATES
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004171156	A1	20040902
APPLICATION INFO.:	US 2004-815730	A1	20040402 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2000-648790, filed on 28 Aug 2000, ABANDONED Continuation of Ser. No. US 1998-177387, filed on 23 Oct 1998, PENDING Continuation-in-part of Ser. No. US 1999-432085, filed on 2 Nov 1999, PENDING Division of Ser. No. US 1999-233493, filed on 20 Jan 1999, GRANTED, Pat. No. US 6143557 Continuation of Ser. No. US 1996-663002, filed on 7 Jun 1996, GRANTED, Pat. No. US 5888732 Continuation-in-part of Ser. No. US 1995-486139, filed on 7 Jun 1995, ABANDONED		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-65930P	19971024 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	STERNE, KESSLER, GOLDSTEIN & FOX PLLC, 1100 NEW YORK AVENUE, N.W., WASHINGTON, DC, 20005	
NUMBER OF CLAIMS:	18	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	58 Drawing Page(s)	
LINE COUNT:	3471	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L3 ANSWER 8 OF 16 USPATFULL on STN

TI Recombinational cloning using nucleic acids having recombination sites
AB Recombinational cloning is provided by the use of nucleic acids, vectors and methods, in vitro and in vivo, for moving or exchanging segments of DNA molecules using engineered recombination sites and recombination proteins to provide chimeric DNA molecules that have the desired characteristic(s) and/or DNA segment(s).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2004:82756 USPATFULL
TITLE: Recombinational cloning using nucleic acids having recombination sites
INVENTOR(S): Hartley, James L., Frederick, MD, UNITED STATES
Brasch, Michael A., Gaithersburg, MD, UNITED STATES
Temple, Gary F., Washington Grove, MD, UNITED STATES
Fox, Donna K., Sykesville, MD, UNITED STATES
PATENT ASSIGNEE(S): Invitrogen Corporation (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004063207	A1	20040401
APPLICATION INFO.:	US 2003-680316	A1	20031008 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2001-907900, filed on 19 Jul 2001, PENDING Continuation of Ser. No. US 1998-177387, filed on 23 Oct 1998, PENDING Continuation-in-part of Ser. No. US 2000-498074, filed on 4 Feb 2000, PENDING Continuation of Ser. No. US 1998-5476, filed on 12 Jan 1998, GRANTED, Pat. No. US 6171861 Division of Ser. No. US 1996-663002, filed on 7 Jun 1996, GRANTED, Pat. No. US 5888732 Continuation-in-part of Ser. No. US 1995-486139, filed on 7 Jun 1995, ABANDONED		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-65930P	19971024 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	STERNE, KESSLER, GOLDSTEIN & FOX PLLC, 1100 NEW YORK AVENUE, N.W., WASHINGTON, DC, 20005	
NUMBER OF CLAIMS:	51	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	58 Drawing Page(s)	
LINE COUNT:	3704	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L3 ANSWER 9 OF 16 USPATFULL on STN
 TI Oxygenase enzymes and screening method
 AB A method for detecting the presence of an oxygenated compound which is produced when a substrate is reacted with an oxygenase for the substrate. The method involves reacting a coupling enzyme with the oxygenated compound to form a polymeric oxygenated compound which is fluorescent or luminescent. Measurement of the fluorescence or luminescence of the polymeric oxygenated compound provides indirect detection of the oxygenated compound produced by reaction of the oxygenase with the substrate. The method is carried out in a whole cell environment wherein the cell is transformed to express both the oxygenase being screened and the coupling enzyme. The method can be used to measure the activity of monooxygenases and dioxygenases on aromatic substrates. The method is amenable to large scale screening of enzyme mutants to isolate those with maximum oxygenase activity.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 ACCESSION NUMBER: 2003:294330 USPATFULL
 TITLE: Oxygenase enzymes and screening method
 INVENTOR(S): Arnold, Frances H., Pasadena, CA, UNITED STATES
 Joo, Hyun, Anyang City, KOREA, REPUBLIC OF
 PATENT ASSIGNEE(S): California Institute of Technology (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003207345	A1	20031106
APPLICATION INFO.:	US 2003-453104	A1	20030602 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2000-661093, filed on 13 Sep 2000, ABANDONED Continuation-in-part of Ser. No. US 1999-246451, filed on 9 Feb 1999, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-94403P	19980728 (60)
	US 1998-106840P	19981103 (60)
	US 1998-86206P	19980521 (60)
	US 1998-106834P	19981103 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	DARBY & DARBY P.C., Post Office Box 5257, New York, NY, 10150-5257	
NUMBER OF CLAIMS:	70	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	28 Drawing Page(s)	
LINE COUNT:	3576	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L3 ANSWER 10 OF 16 USPATFULL on STN
 TI Recombinational cloning using nucleic acids having recombination sites

AB Recombinational cloning is provided by the use of nucleic acids, vectors and methods, in vitro and in vivo, for moving or exchanging segments of DNA molecules using engineered recombination sites and recombination proteins to provide chimeric DNA molecules that have the desired characteristic(s) and/or DNA segment(s).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:251184 USPATFULL
TITLE: Recombinational cloning using nucleic acids having recombination sites
INVENTOR(S): Hartley, James L., Frederick, MD, UNITED STATES
Brasch, Michael A., Gaithersburg, MD, UNITED STATES
Temple, Gary F., Washington Grove, MD, UNITED STATES
Fox, Donna K., Sykesville, MD, UNITED STATES
PATENT ASSIGNEE(S): Invitrogen Corporation (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003175970	A1	20030918
APPLICATION INFO.:	US 2002-300892	A1	20021121 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 2001-907719, filed on 19 Jul 2001, PENDING Division of Ser. No. US 1998-177387, filed on 23 Oct 1998, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-65930P	19971024 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	STERNE, KESSLER, GOLDSTEIN & FOX PLLC, 1100 NEW YORK AVENUE, N.W., WASHINGTON, DC, 20005	
NUMBER OF CLAIMS:	51	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	58 Drawing Page(s)	
LINE COUNT:	3692	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 11 OF 16 USPATFULL on STN

TI Recombinational cloning using nucleic acids having recombination sites
AB Recombinational cloning is provided by the use of nucleic acids, vectors and methods, in vitro and in vivo, for moving or exchanging segments of DNA molecules using engineered recombination sites and recombination proteins to provide chimeric DNA molecules that have the desired characteristic(s) and/or DNA segment(s).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:225904 USPATFULL
TITLE: Recombinational cloning using nucleic acids having recombination sites
INVENTOR(S): Hartley, James L., Frederick, MD, UNITED STATES
Brasch, Michael A., Gaithersburg, MD, UNITED STATES
Temple, Gary F., Washington Grove, MD, UNITED STATES
Fox, Donna K., Sykesville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003157716	A1	20030821
APPLICATION INFO.:	US 2001-985448	A1	20011102 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1998-177387, filed on 23 Oct 1998, PENDING		

NUMBER	DATE
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PRIORITY INFORMATION: US 1997-65930P 19971024 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: STERNE, KESSLER, GOLDSTEIN & FOX PLLC, 1100 NEW YORK AVENUE, N.W., SUITE 600, WASHINGTON, DC, 20005-3934
NUMBER OF CLAIMS: 51
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 58 Drawing Page(s)
LINE COUNT: 3673
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 12 OF 16 USPATFULL on STN
TI Immobilization of keratinase for proteolysis and keratinolysis
AB A recombinant nucleic acid encoding a fusion protein wherein the recombinant nucleic acid comprises a nucleic acid encoding a keratinase fused to a nucleic acid encoding a first member of a specific binding pair is described. An immobilized keratinase comprising a fusion protein and a solid support is also described. A method of digesting substrates such as keratin (e.g., feather) or protein (e.g., casein) is also described herein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
ACCESSION NUMBER: 2003:159378 USPATFULL
TITLE: Immobilization of keratinase for proteolysis and keratinolysis
INVENTOR(S): Shih, Jason C.H., Cary, NC, UNITED STATES
Wang, Jeng-Jie, Raleigh, NC, UNITED STATES
Swaisgood, Harold E., Raleigh, NC, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003108991	A1	20030612
APPLICATION INFO.:	US 2002-202339	A1	20020724 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-307494P	20010724 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	MYERS BIGEL SIBLEY & SAJOVEC, PO BOX 37428, RALEIGH, NC, 27627	
NUMBER OF CLAIMS:	26	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	13 Drawing Page(s)	
LINE COUNT:	1289	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L3 ANSWER 13 OF 16 USPATFULL on STN
TI Recombinational cloning using nucleic acids having recombination sites
AB Recombinational cloning is provided by the use of nucleic acids, vectors and methods, in vitro and in vivo, for moving or exchanging segments of DNA molecules using engineered recombination sites and recombination proteins to provide chimeric DNA molecules that have the desired characteristic(s) and/or DNA segment(s).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
ACCESSION NUMBER: 2002:337459 USPATFULL
TITLE: Recombinational cloning using nucleic acids having recombination sites
INVENTOR(S): Hartley, James L., Frederick, MD, UNITED STATES
Brasch, Michael A., Gaithersburg, MD, UNITED STATES
Temple, Gary F., Washington Grove, MD, UNITED STATES
Fox, Donna K., Sykesville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002192819	A1	20021219
APPLICATION INFO.:	US 2001-907719	A1	20010719 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1998-177387, filed on 23 Oct 1998, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-65930P	19971024 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	STERNE, KESSLER, GOLDSTEIN & FOX PLLC, 1100 NEW YORK AVENUE, N.W., SUITE 600, WASHINGTON, DC, 20005-3934	
NUMBER OF CLAIMS:	51	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	58 Drawing Page(s)	
LINE COUNT:	3690	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L3 ANSWER 14 OF 16 USPATFULL on STN
 TI Recombinational cloning using nucleic acids having recombination sites
 AB Recombinational cloning is provided by the use of nucleic acids, vectors and methods, in vitro and in vivo, for moving or exchanging segments of DNA molecules using engineered recombination sites and recombination proteins to provide chimeric DNA molecules that have the desired characteristic(s) and/or DNA segment(s).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 ACCESSION NUMBER: 2002:307873 USPATFULL
 TITLE: Recombinational cloning using nucleic acids having recombination sites
 INVENTOR(S): Hartley, James L., Frederick, MD, UNITED STATES
 Brasch, Michael A., Gaithersburg, MD, UNITED STATES
 Temple, Gary F., Washington Grove, MD, UNITED STATES
 Fox, Donna K., Sykesville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002172997	A1	20021121
APPLICATION INFO.:	US 2001-907900	A1	20010719 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1998-177387, filed on 23 Oct 1998, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-65930P	19971024 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	STERNE, KESSLER, GOLDSTEIN & FOX PLLC, 1100 NEW YORK AVENUE, N.W., SUITE 600, WASHINGTON, DC, 20005-3934	
NUMBER OF CLAIMS:	51	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	58 Drawing Page(s)	
LINE COUNT:	3703	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L3 ANSWER 15 OF 16 USPATFULL on STN
 TI Recombinational cloning using nucleic acids having recombination sites
 AB Recombinational cloning is provided by the use of nucleic acids, vectors and methods, in vitro and in vivo, for moving or exchanging segments of DNA molecules using engineered recombination sites and recombination

proteins to provide chimeric DNA molecules that have the desired characteristic(s) and/or DNA segment(s).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2002:178786 USPATFULL
TITLE: Recombinational cloning using nucleic acids having recombination sites
INVENTOR(S): Hartley, James L., Frederick, MD, UNITED STATES
Brasch, Michael A., Gaithersburg, MD, UNITED STATES
Temple, Gary F., Washington Grove, MD, UNITED STATES
Fox, Donna K., Sykesville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002094574	A1	20020718
APPLICATION INFO.:	US 2001-855797	A1	20010516 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1999-296281, filed on 22 Apr 1999, ABANDONED Division of Ser. No. US 1998-177387, filed on 23 Oct 1998, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-65930P	19971024 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	STERNE, KESSLER, GOLDSTEIN & FOX PLLC, 1100 NEW YORK AVENUE, N.W., SUITE 600, WASHINGTON, DC, 20005-3934	
NUMBER OF CLAIMS:	51	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	58 Drawing Page(s)	
LINE COUNT:	3688	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 16 OF 16 USPATFULL on STN
TI Recombinational cloning using nucleic acids having recombination sites
AB Recombinational cloning is provided by the use of nucleic acids, vectors and methods, in vitro and in vivo, for moving or exchanging segments of DNA molecules using engineered recombination sites and recombination proteins to provide chimeric DNA molecules that have the desired characteristic(s) and/or DNA segment(s).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2001:136413 USPATFULL
TITLE: Recombinational cloning using nucleic acids having recombination sites
INVENTOR(S): Hartley, James L., Frederick, MD, United States
Brasch, Michael A., Gaithersburg, MD, United States
Temple, Gary F., Washington Grove, MD, United States
Fox, Donna K., Sykesville, MD, United States
PATENT ASSIGNEE(S): Invitrogen Corporation, Carlsbad, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6277608	B1	20010821
APPLICATION INFO.:	US 1999-296280		19990422 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1998-177387, filed on 23 Oct 1998		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-65930P	19971024 (60)
DOCUMENT TYPE:	Utility	

FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Guzo, David
ASSISTANT EXAMINER: Leffers, Jr., Gerald G
LEGAL REPRESENTATIVE: Sterne, Kessler, Goldstein & Fox, P.L.L.C.
NUMBER OF CLAIMS: 23
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 58 Drawing Figure(s); 58 Drawing Page(s)
LINE COUNT: 3748
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

Refine Search

Search Results -

Terms	Documents
L8 and L7	37

Database:

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

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Search History

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result set

DB=USPT; PLUR=YES; OP=OR

<u>L9</u>	L8 and 17	37	<u>L9</u>
<u>L8</u>	Sivaraman.in.	42	<u>L8</u>
<u>L7</u>	l6 and (BamHI and Nde I)	1319740	<u>L7</u>
<u>L6</u>	L4 and lac I coding sequence	1615986	<u>L6</u>
<u>L5</u>	L4 and lack I coding sequence	1615986	<u>L5</u>
<u>L4</u>	L3 and (kan coding sequence)	4369	<u>L4</u>
<u>L3</u>	L2 and (pBr322)	4380	<u>L3</u>
<u>L2</u>	L1 and (pET-26b(+))	13951	<u>L2</u>
<u>L1</u>	plasmid and (fl origin)	26337	<u>L1</u>

END OF SEARCH HISTORY

3. Document ID: US 6978288 B1

L9: Entry 3 of 37

File: USPT

Dec 20, 2005

US-PAT-NO: 6978288

DOCUMENT-IDENTIFIER: US 6978288 B1

TITLE: Coefficient update unit

DATE-ISSUED: December 20, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Natarajan; <u>Sivaraman</u>	Burlington	VT		

US-CL-CURRENT: 708/290; 708/274

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KDDC](#) | [Draw Desc](#) | [Image](#)

4. Document ID: US 6966043 B2

L9: Entry 4 of 37

File: USPT

Nov 15, 2005

US-PAT-NO: 6966043

DOCUMENT-IDENTIFIER: US 6966043 B2

TITLE: Method for designing minimal cost, timing correct hardware during circuit synthesis

DATE-ISSUED: November 15, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Sivaraman</u> ; Mukund	Mountain View	CA		
Gupta; Shail Aditya	Sunnyvale	CA		

US-CL-CURRENT: 716/6; 716/1, 716/17, 716/2

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KDDC](#) | [Draw Desc](#) | [Image](#)

5. Document ID: US 6952816 B2

L9: Entry 5 of 37

File: USPT

Oct 4, 2005

US-PAT-NO: 6952816

DOCUMENT-IDENTIFIER: US 6952816 B2

TITLE: Methods and apparatus for digital circuit design generation

DATE-ISSUED: October 4, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gupta; Shail Aditya	Sunnyvale	CA		
Rau; Bantwal Ramakrishna	late of Los Altos	CA		

Rau; Anita B.	Los Altos	CA
<u>Sivaraman</u> ; Mukund	Mountain View	CA
Conquist; Darren C.	San Francisco	CA
Schreiber; Robert S.	Palo Alto	CA
Schlansker; Michael S.	Los Altos	CA

US-CL-CURRENT: 716/18; 716/1, 716/10, 716/2, 716/3, 717/136, 717/141, 717/160

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) |  | [Claims](#) | [KOMC](#) | [Drawn Desc](#) | [Ima](#)

6. Document ID: US 6904045 B1

L9: Entry 6 of 37

File: USPT

Jun 7, 2005

US-PAT-NO: 6904045

DOCUMENT-IDENTIFIER: US 6904045 B1

TITLE: Method and apparatus for guaranteeing data transfer rates and delays in asynchronous transfer mode networks using pivot sessions

DATE-ISSUED: June 7, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chiussi; Fabio M.	Long Branch	NJ		
Francini; Andrea	Eatontown	NJ		
<u>Sivaraman</u> ; Vijay	Santa Clara	CA		

US-CL-CURRENT: 370/412; 370/395.5

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) |  | [Claims](#) | [KOMC](#) | [Drawn Desc](#) | [Ima](#)

7. Document ID: US 6806357 B1

L9: Entry 7 of 37

File: USPT

Oct 19, 2004

US-PAT-NO: 6806357

DOCUMENT-IDENTIFIER: US 6806357 B1

TITLE: Fluorous nucleophilic substitution of alcohols and reagents for use therein

DATE-ISSUED: October 19, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Curran; Dennis P.	Pittsburgh	PA		
Dandapani; <u>Sivaraman</u>	Pittsburgh	PA		

US-CL-CURRENT: 534/558; 560/114, 560/115, 560/8

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) |  | [Claims](#) | [KOMC](#) | [Drawn Desc](#) | [Ima](#)

8. Document ID: US 6778736 B2

L9: Entry 8 of 37

File: USPT

Aug 17, 2004

US-PAT-NO: 6778736

DOCUMENT-IDENTIFIER: US 6778736 B2

TITLE: Dynamic variable optical attenuator and variable optical tap

DATE-ISSUED: August 17, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Markwardt; Terry L.	Austin	TX		
Fredin; Leif G.	Austin	TX		
Chen; Ray T.	Austin	TX		
<u>Sivaraman</u> ; Ram	Austin	TX		

US-CL-CURRENT: 385/40; 385/140, 385/16, 385/43

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Image](#) | [Claims](#) | [KMD](#) | [Draw Desc](#) | [Ima](#)

9. Document ID: US 6689588 B1

L9: Entry 9 of 37

File: USPT

Feb 10, 2004

US-PAT-NO: 6689588

DOCUMENT-IDENTIFIER: US 6689588 B1

**** See image for Certificate of Correction ****

TITLE: Garlic alliinase covalently bound to carrier for continuous production of allicin

DATE-ISSUED: February 10, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mirelman; David	Ramat Efal			IL
Wilchek; Meir	Rehovot			IL
Miron; Talia	Kfar Halm			IL
Rabinkov; Aharon	Rehovot			IL
<u>Sivaraman</u> ; Hepzibah	Pune			IN

US-CL-CURRENT: 435/130; 435/176, 435/177, 435/178, 435/179, 435/180, 435/182

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Image](#) | [Claims](#) | [KMD](#) | [Draw Desc](#) | [Ima](#)

10. Document ID: US 6532213 B1

L9: Entry 10 of 37

File: USPT

Mar 11, 2003

US-PAT-NO: 6532213

DOCUMENT-IDENTIFIER: US 6532213 B1

TITLE: Guaranteeing data transfer delays in data packet networks using earliest deadline first packet schedulers

DATE-ISSUED: March 11, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
------	------	-------	----------	---------

Chiussi; Fabio M.

Long Branch

NJ

Sivararaman; Vijay

Los Angeles

CA

US-CL-CURRENT: 370/230.1; 370/235.1

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Search](#) | [Print](#) | [Claims](#) | [KMC](#) | [Draw. Desc](#) | [Imgs](#)

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Documents

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